

PACIFIC



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RED CREST

R. T. 30, August, 1930

The Welded
Steel Boilers for
Bungalows
Residences
Small Apartments

manufactured by
PACIFIC STEEL BOILER CORPORATION.

General Offices: Detroit, Mich. Factories: Waukegan, Ill.; Bristol, Penn. Sales branches in 58 cities

DIVISION OF
UNITED STATES RADIATOR CORPORATION

DETROIT, MICHIGAN



PACIFIC RED CREST



THIS is the new Pacific Steel Boiler for house heating, in its bright new jacket of heavy gauge steel, finished in blue enamel, with a red top and red doors. The one pass model illustrated is offered in five sizes to heat bungalows and residences up to approximately eight rooms.



Climaxing 18 years of leadership in building welded steel boilers . . . **A JACKETED BOILER FOR HOUSE *heating***

TO say that the new jacketed Pacific Steel Boiler, the Red Crest, is the product of eighteen years experience is telling only a very little of the true story.

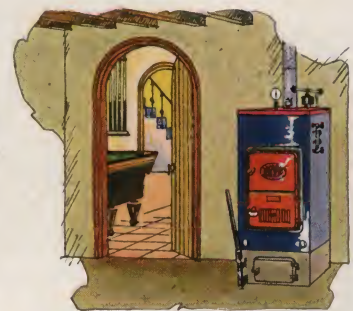
Pacific's eighteen years are perhaps unparalleled in heating history. They began with the idea that revolutionized heating equipment . . . *welded steel boilers*. They have been years marked by improvement after improvement. Every one has seen a growing preference for Pacific products in buildings large and small.

Now, these years culminate in the *Pacific Red Crest Welded Steel Boiler* for bungalows, residences, and apartments up to approximately forty-two rooms. It is an achievement worthy to take a high place among the many betterments and advances that have been introduced by the Pacific Steel Boiler Corporation.

Meeting the mode of color

This new Pacific is resplendent in a new jacket of red and blue . . . blue on steel of heavy gauge for the main body, brilliant flashes of red for the doors, and a crest of red for the top. Thus it meets the mode with a mirror-smooth shining-clean coat that makes it handsomely decorative in a basement that is an extra room for the house. Underneath the jacket is a thick blanket of rock wool, the finest insulation obtainable.

Most important of all is the fact that underneath the surface beauty is a *Pacific Welded Steel Boiler*, with all that it signifies in heating efficiency, durability, economy of fuel, ease of installation and tending.



A Welded Steel Boiler » »

ideally meeting home requirements

Although the quality of welded steel boilers has been recognized for years, it remained for Pacific to adapt this construction to every modern demand in a boiler for heating homes and smaller apartments. This has been done without sacrificing the essential features which have won for Pacific Steel Boilers of all types their enviable reputation.

The Red Crest, like other Pacific Boilers, is built in accordance with the A.S.M.E. Boiler Code. It is built of flange steel boiler plate and high grade steel tubes, which protect the owner against shut downs in the dead of winter when heat is needed most. Furthermore, every joint and seam is electrically welded, making them leakproof without caulking and unaffected by the severest strains due to expansion and contraction. These boilers can be fired to the limit



without damage, for they are built to stand up for the lifetime of the building under the hardest operating conditions.

They burn all kinds of fuel

They are splendidly adapted to operation on all kinds of fuel . . . coal, coke, oil, or gas. Because of oversized combustion chamber and long fire travel, they burn soft coal or oil with the same efficiency as hard coal.

Every boiler is inspected throughout the process of manufacture by authorized boiler inspectors, stationed in our plants by one of the largest American insurance companies. On completion, each boiler is subjected to a cold water pressure test many times the pressure under which it will operate.

In short here is a welded steel boiler for residences . . . a boiler compact, reliable, free from trouble, with Pacific engineering excellence and Pacific quality in construction . . . a boiler that brings power plant efficiency to the field of home heating.



Check these points of superiority

What other residence boiler can offer them all?

THE new Pacific Red Crest Welded Steel Boiler meets the modern demand for color and better heating. The body is blue enamel, mirror-smooth. The top and porcelain enamel doors are red. Attractive appearance is only the beginning of its many merits. The deeper you go, the more you find.

Rock wool insulation

Between the jacket and the boiler is a thick blanket of rock wool, steel wire reinforced, the finest insulation obtainable.

All steel construction

Instead of the usual gray iron sections, the Pacific Red Crest is built of steel. Strength is increased; the boiler's life indefinitely prolonged.

Welded joints

The great steel skyscraper skeletons are changing from rivets to welded joints. Bridges, motor cars, wherever steel is used, welding is proving superior. In a boiler, it means greater strength and leakproof seams without caulking.

Thorough combustion

The greater efficiency of the Red Crest is due to such features of design not found in other

boilers as the overlarge firebox that gives thorough combustion. The firebox extends the full length of the shell, providing a large combustion chamber in which gases and volatile contents are not lost up the flue but burned.

Maximum heating surface

The firebox is a water leg completely surrounding the fuel bed and combustion chamber. This water leg and the lower part of the shell are in direct contact with burning fuel and gases, giving the maximum direct heating surface.

Positive circulation

Forced circulation sweeps the water around the tubes so as to wash away all steam bubbles. Every possible heat unit, extracted from the fuel, finds its way into the water.

Ease of installation

The Red Crest can be installed in any building having an average height ceiling. See page 9 for overall dimensions. If necessary, the larger sizes can be knocked down and the shell, firebox, and base taken into a building separately. It occupies the minimum floor space.

Accessibility for cleaning

Every part is readily accessible for cleaning. All tubes are cleaned through the front flue doors, the work of a few minutes with the boiler in operation. Soot is removed through a conveniently located opening in the smoke hood.

The sum of all these advantages is low cost, first and last; fuel economy, work economy, and above all long life and dependability.





Here is the Red Crest for larger homes. A gleaming jacket for the outside and Pacific Welded Steel Boiler heating efficiency inside. There are six sizes, for homes and apartments from eight rooms to approximately forty-two rooms.

Specifications Pacific Red Crest Steel Boilers

Steam—Coal Fired

Catalog Nos.	S. H. B. I. Rating	Code Word	Shipping Weight, Pounds		Height of Water Line, Inches	Height Center Smoke Conn., Inches	Diameter Smoke Outlet, Inches	Diameter Stack, Inches	Min. Height Stack Feet	Grate Area, Sq. Feet	Heating Surface, Sq. Feet	Size Outlet, Inches	Size Return, Inches
			Without Jacket	With Jacket									
192	390	Label	1250	....	47	37 $\frac{1}{2}$	10	10	30	2.8	28	3	3
192-B	475	Lace	1350	1485	47	37 $\frac{1}{2}$	10	10	30	3.3	34	3	3
192-C	560	Lad	1450	1600	47	37 $\frac{1}{2}$	10	10	30	3.8	40	3	3
192-D	670	Ladle	1550	1710	47	37 $\frac{1}{2}$	10	10	35	4.4	48	3	3
192-E	810	Lady	1650	1850	48 $\frac{1}{2}$	37 $\frac{1}{4}$	12	12	35	4.9	58	3	3
232-A	825	Lair	1700	1900	50 $\frac{3}{4}$	47 $\frac{3}{4}$	11	11	35	5.0	59	3	3
232-B	1060	Lake	1850	2075	50 $\frac{3}{4}$	47 $\frac{3}{4}$	11	11	35	5.9	76	3	3
272-A	1360	Lama	2250	2500	53 $\frac{3}{4}$	51 $\frac{1}{4}$	12	12	45	6.9	97	4	4
272-B	1550	Lamb	2500	2775	53 $\frac{3}{4}$	51 $\frac{1}{4}$	12	12	45	8.0	111	4	4
272-C	1720	Lamp	2650	2950	53 $\frac{3}{4}$	51 $\frac{1}{4}$	12	12	50	8.0	123	4	4
272-D	1880	Land	3050	3375	53 $\frac{3}{4}$	51 $\frac{1}{4}$	12	12	50	9.1	134	4	4

Steam—Oil, Gas or Stoker Fired

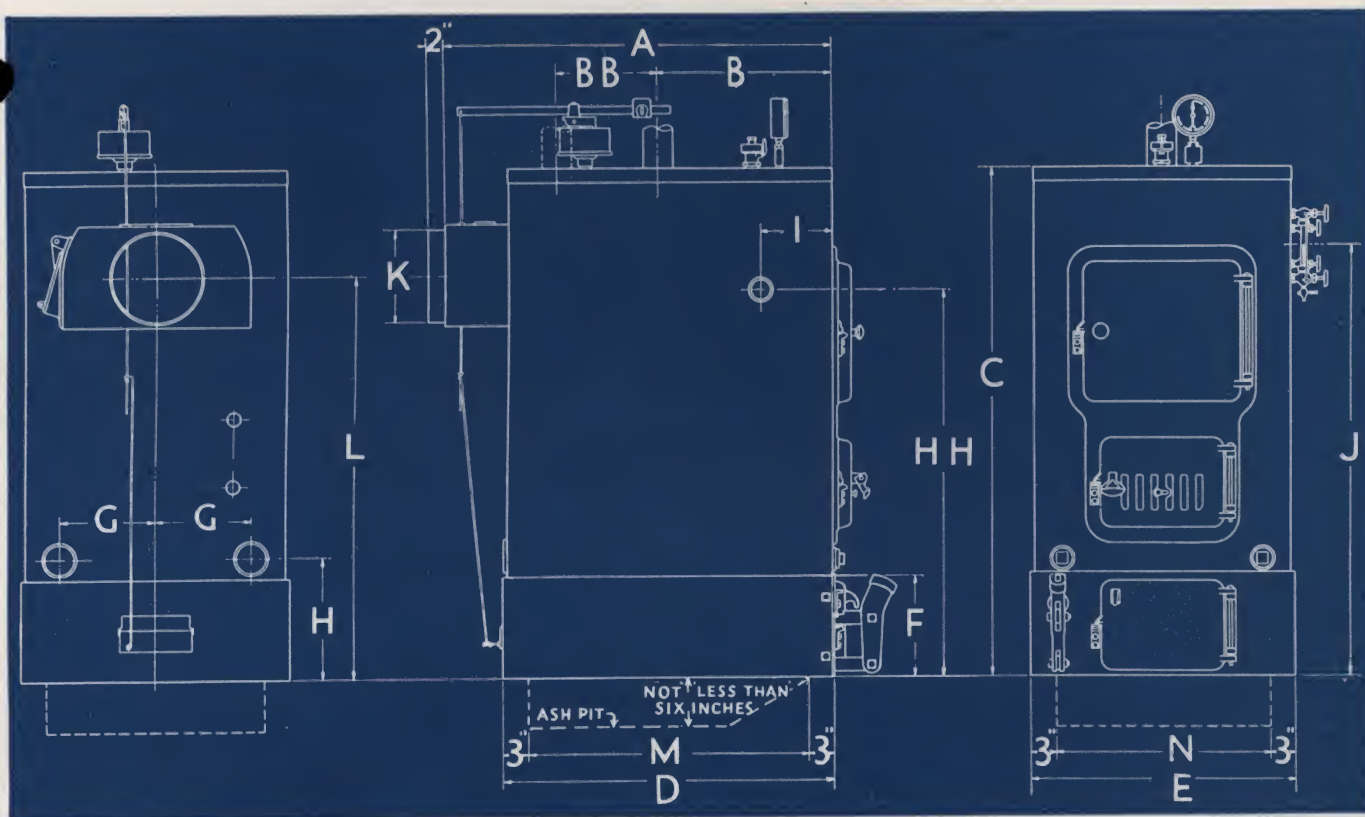
198	475	Lead	1120	....	47	37 $\frac{1}{2}$	10	10	30	....	28	3	3
198-B	575	Leaf	1200	1335	47	37 $\frac{1}{2}$	10	10	30	....	34	3	3
198-C	680	Lease	1280	1430	47	37 $\frac{1}{2}$	10	10	30	....	40	3	3
198-D	815	Leash	1360	1520	47	37 $\frac{1}{2}$	10	10	35	....	48	3	3
198-E	985	Leave	1440	1640	48 $\frac{1}{2}$	37 $\frac{1}{4}$	12	12	35	....	58	3	3
238-A	1000	Ledge	1525	1725	50 $\frac{3}{4}$	47 $\frac{3}{4}$	11	11	35	....	59	3	3
238-B	1290	Lee	1650	1875	50 $\frac{3}{4}$	47 $\frac{3}{4}$	11	11	35	....	76	3	3
278-A	1650	Leech	1950	2200	53 $\frac{3}{4}$	51 $\frac{1}{4}$	12	12	45	....	97	4	4
278-B	1880	Leek	2200	2475	53 $\frac{3}{4}$	51 $\frac{1}{4}$	12	12	45	....	111	4	4
278-C	2090	Leg	2450	2750	53 $\frac{3}{4}$	51 $\frac{1}{4}$	12	12	50	....	123	4	4
278-D	2280	Legate	2700	3025	53 $\frac{3}{4}$	51 $\frac{1}{4}$	12	12	50	....	134	4	4

Hot Water—Coal Fired

191	625	Mica	1250	....	....	37 $\frac{1}{2}$	10	10	30	2.8	28	2-3	2-3
191-B	760	Mice	1350	1485	....	37 $\frac{1}{2}$	10	10	30	3.3	34	2-3	2-3
191-C	895	Middy	1450	1600	....	37 $\frac{1}{2}$	10	10	30	3.8	40	2-3	2-3
191-D	1070	Midst	1550	1710	....	37 $\frac{1}{2}$	10	10	35	4.4	48	2-3	2-3
191-E	1300	Might	1650	1850	....	37 $\frac{1}{4}$	12	12	35	4.9	58	2-3	2-3
231-A	1320	Mile	1700	1900	....	47 $\frac{3}{4}$	11	11	35	5.0	59	2-3	2-3
231-B	1700	Milk	1850	2075	....	47 $\frac{3}{4}$	11	11	35	5.9	76	2-3	2-3
271-A	2180	Mill	2250	2500	....	51 $\frac{1}{4}$	12	12	45	6.9	97	2-4	2-4
271-B	2480	Milt	2500	2775	....	51 $\frac{1}{4}$	12	12	45	8.0	111	2-4	2-4
271-C	2750	Mind	2650	2950	....	51 $\frac{1}{4}$	12	12	50	8.0	123	2-4	2-4
271-D	3000	Minor	3050	3375	....	51 $\frac{1}{4}$	12	12	50	9.1	134	2-4	2-4

Hot Water—Oil, Gas or Stoker Fired

197	760	Moat	1120	....	....	37 $\frac{1}{2}$	10	10	30	....	28	2-3	2-3
197-B	920	Mob	1200	1335	....	37 $\frac{1}{2}$	10	10	30	....	34	2-3	2-3
197-C	1090	Mode	1280	1430	....	37 $\frac{1}{2}$	10	10	30	....	40	2-3	2-3
197-D	1300	Model	1360	1520	....	37 $\frac{1}{2}$	10	10	35	....	48	2-3	2-3
197-E	1570	Model	1440	1640	....	37 $\frac{1}{4}$	12	12	35	....	58	2-3	2-3
237-A	1600	Mole	1525	1725	....	47 $\frac{3}{4}$	11	11	35	....	59	2-3	2-3
237-B	2060	Moll	1650	1875	....	47 $\frac{3}{4}$	11	11	35	....	76	2-3	2-3
277-A	2640	Money	1950	2200	....	51 $\frac{1}{4}$	12	12	45	....	97	2-4	2-4
277-B	3020	Monk	2200	2475	....	51 $\frac{1}{4}$	12	12	45	....	111	2-4	2-4
277-C	3340	Mood	2450	2750	....	51 $\frac{1}{4}$	12	12	50	....	123	2-4	2-4
277-D	3650	Moon	2700	3025	....	51 $\frac{1}{4}$	12	12	50	....	134	2-4	2-4



Measurements Pacific Red Crest Steel Boilers

CATALOG NUMBERS	192 198 191 197	192-B 198-B 191-B 197-B	192-C 198-C 191-C 197-C	192-D 198-D 191-D 197-D	192-E 198-E 191-E 197-E	232-A 238-A 231-A 237-A	232-B 238-B 231-B 237-B	272-A 278-A 271-A 277-A	272-B 278-B 271-B 277-B	272-C 278-C 271-C 277-C	272-D 278-D 271-D 277-D
A—Length Overall.....	33	37	41	45	49	45½	51½	52½	58½	64½	70½
B—Distance to Outlet.....	10¼	14¼	18¼	22¼	26¼	20½	26½	26	32	38	44
BB—Distance to Auxiliary Outlet.....	12	12	12	12	12	12	12	12	12	12	12
C—Height of Boiler.....	55½	55½	55½	55½	57	60½	60½	64½	64½	64½	64½
D—Length of Base.....	26¾	30¾	34¾	38¾	42¾	39¼	45¼	45¼	51¼	57¼	63¼
E—Width of Base.....	26	26	26	26	26	31½	31½	35¼	35¼	35¼	35¼
F—Height of Base.....	12	12	12	12	12	12	12	12	12	12	12
G—Location of Returns.....	8½	8½	8½	8½	8½	11¼	11¼	12½	12½	12½	12½
H—Height to Center of Returns.....	14½	14½	14½	14½	14½	14½	14½	15	15	15	15
I—Location of Water Heater Connection.....	8	8	8	8	8	8½	8½	8½	8½	8½	8½
HH—Height to Center of Water Heater Conn.....	45¾	45¾	45¾	45¾	47¼	46	46	49	49	49	49
J—Height of Water Line.....	47	47	47	47	48½	50¾	50¾	53¾	53¾	53¾	53¾
K—Diameter of Smoke Connection.....	10	10	10	10	12	11	11	12	12	12	12
L—Height to Center of Smoke Conn.....	37½	37½	37½	37½	37¼	47¾	47¾	51¼	51¼	51¼	51¼
M—Length of Ash Pit.....	20¾	24¾	28¾	32¾	36¾	33¼	39¼	39¼	45¼	51¼	57¼
N—Width of Ash Pit.....	20	20	20	20	20	25½	25½	29¼	29¼	29¼	29¼



Out on the Pacific Coast, at Portland, Oregon, a Pacific Steel Boiler heats 1249 square feet of radiation in the home of F. B. Mallory, and also operates the hot water system, connected to the heating system. The boiler, burning oil, consumed only \$111.00 worth of fuel during the seasons of 1927-28. The De Temple Company, Portland heating contractors, made the installation.



And on the St. Paul & Cardieux Roads, Grosse Pointe, charming Detroit suburb, is a beautiful apartment block owned by Benjamin F. Tobin, heated by eight Pacific Steel Boilers. Architect, Aloys Frank Herman. Heating contractors, Cameron & King.



While, also at Detroit, a Pacific Steel Boiler warms the beautiful English style residence of Thomas Hinchman, in Rosedale Park. Architect, C. F. J. Barnes; Boone & Anderson, Heating Contractors.

The Westley Vandercöök residence at Longview, Wash., is another beautiful home equipped with Pacific Steel Heating. A. W. Torbett, Longview, was the architect; and Rushlight Hostorp Lord was the heating contractor.

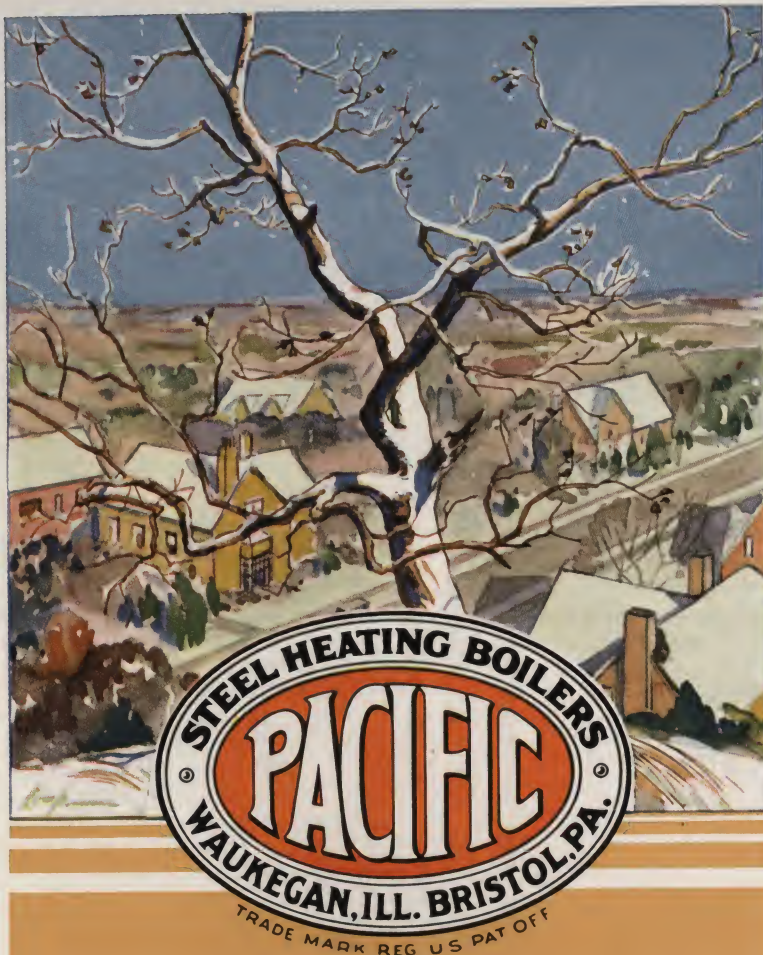


Another Pacific Steel Boiler residence installation at Detroit is the home of James Elliot on Three Mile Drive. Architect, C. F. J. Barnes; Heating Contractors, Boone & Anderson.



S. W. Morris, western general manager of the Long Bell Lumber Company, naturally knows good building materials. For his home at Longview, Wash., he chose a Pacific Steel Boiler. A. W. Torbett was the architect.





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Factories: Waukegan, Ill.; Bristol, Penn.

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 DETROIT, MICHIGAN

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